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	INFORMATION REPORT	CD NO.	
YNTRY	Germany (Russian Zone)	DATE DISTR. 27 Dec 8	50
JBJECT	Production of Penicillin in the Russian Zone	NO. OF PAGES 2	
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ATE OF IFO.		SUPPLEMENT TO SUPPLEMENT NO.	OX1-HUM
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/ 101 1.3 Nov. 177	等。		71110111
1.	The production of penicillin in the DDR is achieved bacteria by a deep tank process. The cultivation is to the penicillin culture of phenylacetic acid, which production of penicillin G. This process was developed the configuration.	s carried out by the addi ch results in a maximum	tion.
2.	Penicillin produced in the DDR has an average penicicent.	illin G content of 80 per	•
2. 3.			
_	The concentration of penicillin preparations manufac	ctured in the DDR has inc	
	The concentration of penicillin preparations manufactus follows: July 1949 300 International units October 1949 600 " "	per milligram """ cod. In September 1949, n to be increased. By reased by 15 per cent. I	reased he ased
3.	The concentration of penicillin preparations manufact as follows: July 1949 300 International units October 1949 600 " " " November 1949 100 (sic) " " In 1948, 263 million units of penicillin were productive Himister for Industry gave orders for production January 1950, the September production had been increased production for 1949 was 5.04 billion units. A production, hospitals can now be supplied with as much shortage of raw materials and inefficient means of elept the price high . It is	per milligram " " ced. In September 1949, n to be increased. By ceased by 15 per cent. I as a result of this incre nch penicillin as they ne cultivation have inevitable, however, decreasing, as	he ased ed.
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3.	The concentration of penicillin preparations manufact as follows: July 19h9 300 International units October 19h9 600 " " November 19h9 100 (sic) " " In 19h8, 283 million units of penicillin were product the Minister for Industry gave orders for production January 1950, the September production had been ince total production for 19h9 was 5.0h billion units. A production, hospitals can now be supplied with as an Shortage of raw materials and inefficient means of e kept the price high . It is can be seen by the following table: In 19h8 1 million units cost 50 In February 19h9 " " " " 10 In December 19h9 " " " " 10 In July 1950 " " " " " 10	per milligram """ cod. In September 1949, n to be increased. By reased by 15 per cent. It as a result of this incre uch penicillin as they ne cultivation have inevitable, however, decreasing, as 50 DIO	he ased ed. Dy

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CENTRAL INTELLIGENCE AGENCY

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- 6. The greater part of the penicillin produced in the DDR is produced by:
 - a. Pharmazeutisches Werk Madaus, Radeboul, which belongs to the WB (Z) Pharma.
 - b. Jenapharm, Institut für Mikrobiologie, Schott-Zeiss-Institut, Jena, which belongs to the VVB Pharma.

7. Frama Madaus

- . The chief research chemist is Dezent Dr. Robert Thren.
- b. Production was started in March 1947. The present production is 100 times greater than the original.
- c. The Madaus laboratories are at present concerned with research on improving the purity of the penicillin produced.
- d. The types of penicillin produced are:

Ponicillin jelly
Ponicillin culture filtration (Hyco liquid)
Ponicillin sodium salt
Ponicillin cintuent (200 international units per gram)
Ponicillin powler (1000 international units per package)

8. Jenaphara

- a. The types of penicillin produced include:
 - 1) Penicillin powder (Jundpuder) "Jenapharm":
 Small phials containing 5 grams of penicillin with a total content
 of 2500 international units.
 - 2) Ponicillin "Jenupham":

 Galcium salt of penicillin in bottles containing 120,000 and 200,000 international units, for injecting.
 - 3) Penicillin calcium salt In phials containing 500 and 1000 international units.
 - h) Experiments are also being made in the actual cultivation of penicillin.
- 9. Some penicillin was being produced by the privately-owned firm of lessing-Chemie, Altonoerstrasse 25a, Erfurt, until December 1949, when, because of a shortage of raw materials, the firm was taken over by the Promassol GmbH, Erfurt, which belongs to the VVB Papier-Chemie, Thuringen. When the firm was taken over, the stocks of penicillin on hand were sold and production ceased completely. It has not been resumed as yet, although the necessary equipment is available.
- 10. No penicillin is produced by the Sächsisches Serumwerk A.G., Dresden A.1, Zirkusstrasse 40.

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